

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: 100V Phase Shift Blues
Message-ID: <Pine.SUN.3.91.961124232902.20670B-100000@indy1>

Hi!

Just a real quick real of thumb--if you sticking DC-blocking capacitance in front of a RC networks, the blocking caps should be **at** **least** 10x the value of the ones in the network; this makes 'em tend to "not be there" through the typical audio passband. **More** than 10X is **real** fine.

Some of the later AF phasing networks are **real** complex, lots and lots of RCs; tends to swamp individual component variations, especially as memory insists they used either one value or nicely scaled values for the condensers; if it's all one value, you can get 'em all from the same lot and get better unit-to-unit tolerance...though they may all be off-value (within tolerance) a bit. (Ummm--real serious precision design types will be quite unhappy with the foregoing, as tolerances are generally considered to be cumulative, meaning two 10% resistors, say, give you 20% tolerance. But the trick of making a bigger statistical universe of the phase-shifter does seem to work nevertheless; one is sort of betting the dice rolls will hunt to a mean of six!).

It's be nice if there was some way to take the "Hilbert Transform" Mike Knudsen mentioned and put it in a can--but you can't unless you're willing to use sand that counts. Even then, it's got to count faster than sand generally likes to.... <grin>

73,

--Bobbi

("Kitchen electronics?" Me??? Lemme just drop a pinch of resistance in here, and get back to you later...h'mmm, maybe a hint more inductance....)

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: mknudsen@lucent.com
Subject: Re: 100V Phase Shift Blues
Message-ID: <9611251912.AA12077@bock.ih.lucent.com>

You can make smaller phase shift networks if you use active component,s not necessarily sandy ones (except the outer envelope :-). I've seen designs using active filters with feedback networks, similar to low-pass filters such as used in the Kron-Heit boxes. I think the keyword is "all-pass" filter.

If you use the hi-mu member of the 12Ax7 family (x=T, U, X,)
as an op-amp you could keep the design strictly BA.
Would it fit in a can? Maybe a 5# coffee can.... 73, mike k aa9rg

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>
Subject: 32 V continuing SITREP
Message-ID: <Pine.SUN.3.91.961125103929.188C-100000@dot.w6bhz.calpoly.edu>

Last night, I spent about an hour changing out the Mcs slide rule dial.
The original was trashed and I had to wash off the dial glass of the
leftover ink. Installed a transparency copy of one someone gave me (of
which I have a paper spare for you folks wanting to do the same). I
cleaned the light pipe acrylic stack and reinstalled the the whole thing
after cutting the slide rule copy to shape. Next stop is to change out
the Kcs dial marked up as a result of the 110 VAC bulb that sat next to
it for so many years. While I'm at it, I might as well break the seal
around the PTO tube and check it out while the unit is out of the rig.
After that, its on to the rf deck and final tank. Cal

"Airborne--All the Way"
"Armor--On the Way"

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: Steve Ellington <n41q@iglou.com>
Subject: 51S-1 is Winged
Message-ID: <m0vSDYt-000bVpC@relay.iglou.com>

Woops, I forgot the most important thing. It's winged. Good ole U.S.A. Collins.

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "Terry O'Laughlin" <terryo@wort-fm.terracom.net>
Subject: 651S-1 manual
Message-ID: <199611251706.LAA15366@mendota.terracom.net>

>Hello guys: No commerical dealer has the manual for this rig.
>Anybody out there have one!

I tried to reply direct to this message, but it bounced.

I bought a 651S1 manual from Fair Radio. They charged me \$60 and sent me
two binders totalling 3-1/2" of double sided copies and foldouts.

Do not repeat my mistake.

The 651S-1 manual is jammed full of worthless engineering parts lists and piecemeal information. It is the worst manual I have ever seen. It has nothing to do with Fair, it is Collins' fault.

I sold my two 651S1s to Charlie Sieg and sent him the manual. Maybe he'll copy the 60 pages of schematics and 25 pages of usable information and save you the expense of paying for 500 pages of filler.

73 Terry O' WB9GVB

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: MODSTEPH@ACS.EKU.EDU
Subject: 7050 apology
Message-ID: <01ICA2LVUOCE008687@ACS.EKU.EDU>

If anyone heard me calling CQ this evening on/near 7050 (just got the johnson VFO finally aligned and working, wanted a signal report) and answered to no avail, I'm sorry: I was getting an S-5 noise level on my 2-B... I then switched antennas to a horizontal vee and the noise disappeared and I heard all sorts of signals which I flat had not heard before. I did get a nice report from VE9, so I guess the VFO/Viking II combo is now complete (except for the top - am using a 1x10 board at the moment), at least electrically.

Anyway, because of the high noise level before the switch I did not hear anyone coming back... sorry if I missed you.

73, Al N5AIT
modsteph@acs.eku.edu
Allan Stephens
Richmond, Kentucky
LOOKING FOR (WTB): Multi-Elmac M-1070 ps
Harvey-Wells APS-50 ps

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: "Douglas M. Gordon" <dmgordon@electriciti.com>
Subject: Amphenol & Bud Needed
Message-ID: <1.5.4.16.19961125180422.26ef6402@electriciti.com>

Hello Boatmen & Boatladies,

Still looking for some elusive hardware (2 ea) as flws:

Amphenol 49-RSS4 4 pin sockets
Amphenol 23-1S shells
Bud Radio NC-853 Neut. Capacitors

Pleez, somebody help me. I know you're out there. Thank-you.

73,

Doug K6PUN

Carlsbad, CA

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: April 1948 CQ: Great material
Message-ID: <199611260408.EAA13934@mule0.mindspring.com>

Reading the old CQ's I got from Eugene Rippen is a real education. In the April 1948 CQ I found these of interest:

1. The T-9er. Gating off the 75A receiver and keying without any trace of chirp or click. You guys and gals on the BA/GB net should take a look. Actually a VF0/exciter/monitor that lets you have rock steady sigs on 80 to 10. Uses the ole 6AG7. Later P&H VFomatic looks like an update less the 6AG7 amp...transceive with 75A and KWs-1 et al circa 1956..
2. BC-348Q article..improving the 348. Many ideas with schematics.
3. Tip on page 29 on A-C relay hum cure. scotch (tape) the problem!
4. Shunt-fed KW with 250th's. Boy is that amp simple.
5. Picture and story on the first QCWA meeting.
6. Direction indicator for a prop pitch (with one of those from a B-29 we can rotate the house!)
7. New Look Transmitters (Stancor 202A, Millen 90811, Temco RAor components in a rack).
8. 4-400A introduced (page 60).
9. Hey there is my MicaMold Transmitter. Says 45W...no way jose.....
10. Harrison (remember Bil) has an ad for the Mon-Key. (attention you

BA/GBers).

11. Lottsa military surplus gear ads....RBL-2 on page 71 looks like a LF version of the NC-240.

Bob Henry, Leo (young looking with his Globe King), Wells AN-FRC-1 station..even came with a Speedex Key (now Nye Viking)

73, Dave K4JRB

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996

From: Larry Godek <AZCOT@gnn.com>

Subject: AR-88

Message-ID: <199611260349.WAA15676@mail-e2b.gnn.com>

I picked up a nice 14"(?) speaker from a friend over in Calif. this past summer. Its ben setting out in the garage collecting whatever I could set on it along with all the desert dust that blows in. As I am running out of space and places to stack the BA's that I seem to continuously collect, I decided to bring it into the shack and put it in the corner and place the AR-88 on top of it. Got out the furniture polish and cleaned it up till it shined pretty well. Then went and got an old but pretty nice beach towel and placed over the top of it so it wouldn't scratch the top up. Disconnected all the wires going to the receiver, grasped it firmly by the sides and slid it out of the rack where its been setting. UGH, OH, Ummmm. Geez it must be growing up as its heavier now then ever. Moved it over to the top of the speaker (nice well constructed wood box) and strong to. Hooked up the speaker to the 2.5 ohm screws on the back of the radio, hooked up a good ground to it and plugged the dude in. Course I put a single wire antenna on it as thats all that would reach over to that location. Turned on the power and set back in the ol' rocking chair to listen to the neat sounds. Know what? It sounds "marvelous". Truley a speaker for a fine radio. This is great. Life is great. My radio is great. I'm happy.

Larry Godek W00GH
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TAO, KN6TUP

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: "David L. Thompson" <thompson@mindspring.com>
Subject: AR-88 family of receivers
Message-ID: <199611260427.EAA34018@mule1.mindspring.com>

As our UK BAers already know the AR-88 family of receivers became the sought after receiver for stations all around the globe from 1947 to 1959. (maybe to even 1962-3). Look thru the old QSTs et al at the number of DX stations that had some version of the receiver. I must have 400 cards from over 70 countries that used the AR-88 and similiar Marconi versions (CR-88/CR-100). XZ2KN, VS9MB (Maldives), VS9OM (Oman) were some of the rarer ones in my collection. XZ2KN even put a drop cloth over his. The Russians had a version that was in general use until about 1970.

I would like to know how many versions there were. I know that RCA shipped all of the stock of the AR-88 to the UK early in WW II. Marconi made large quantities of the receiver and Russian Vefon Works turned out hundreds from 1942 to 1945.(They made a BC-342/348 too).

Certainly not a R390/390A or even the 51J, but anyone who has used one knows its a great improvement over most of the pre-war receivers.

73, Dave K4JRB

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: "Terry L. Dobler" <kj7f@micron.net>
Subject: Re: Auto-Ranging Warning
Message-ID: <2.2.32.19961125210801.002d5a88@popost.micron.net>

At 02:27 PM 11/25/96 -0600, you wrote:

>First, beware of auto-ranging digital multimeters. I had been
>checking out B+ and Screen resistors in this beast, and replacing those
>that were more than 20% over value. One 33K looked fine.
>
>Later I tilted the meter face toward me, looked closely, and realized
>that it was missing a decimal point -- not 33.3K, but 333K or 1/3 MegOhm!
>Actually I caught it first with a manual-range meter....
>

Another thing to watch out for is the auto-polarity function on your DMM. I missed a bad by-pass cap here a couple of months ago because I didn't notice the + sign. It read +4 volts on

the grid instead of -4 volts. I didn't catch this and thought that the cap was good when in fact it was leaky. Spent several hours before I came back to that cap and checked it again.

Terry KJ7F

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: mknudsen@lucent.com
Subject: Re: Auto-Ranging Warning
Message-ID: <9611252323.AA12456@bock.ih.lucent.com>

Right. And another one that gets me is mailing to see the LCD is spelling out "mV" instead of "V". A real pain when you're looking for a pin with some voltage on it.

One nice thing about analog meters, ya don't have to worry about such stuff :-) 73, mike k aa9rg

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: Glenn Finerman <GFINER@nms.com>
Subject: BA/GB Net fun
Message-ID: <s2996cf4.074@nms.com>

Even with all the QRM from the contest this past weekend the BA/GB gang on 3579 were banging the brass!
My apologies to Bob NA4G, we started a QSO listening for check-in's on Saturday night, Bob went for a cup of joe and I proceeded to pop the fuse in the AC-4!, had to run out to rat shack on Sunday for a replacement. Worked some folks on Sunday night as well. I'm starting to tame that wild Vibroplex, Haven't used one in 20 years!... Down boy down!!

73.....Glenn N2BJG gfiner@nms.com

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "Roberta J. Barmore" <rbarmore@indy.net>
Subject: Re: BA/GB Net fun
Message-ID: <Pine.SUN.3.91.961125104618.18731A-100000@indy2>

Hi!

I second Glenn's comments--turned things on both Sat & Sun night just

in time to hear NA4G go qrt (but managed to work him anyhow Sat, thanks!). WQ9E was hitting the Drake plenty hard Sunday after Bob & Co. left but alas, the 6L6 wasn't up to the job--too much rainwater on the antenna insulators, I 'spect. He worked a couple of other BAers--recognized Chas, W3KC but the other one was fading pretty deep. Finally lost 'em all and ended up copying W1AW for awhile, as I'm still too rusty. (Need to start playing CW in the shop at work again, but it'll have to wait 'til a decent antenna can be strung! Like maybe *after* the High Brass visit in Dec).

NA4G really puts a nice sig into Indy most nights! Going to have to do some thinking about "a decent antenna" here at home, too, to give the single-tube rig a better chance at answering back. :) (Small city lot, I'm thinking it may have to wait for better roof-climbing weather).

73,
--Bobbi

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "Jim Berry" <basalop@eskimo.com>
Subject: BC-221 as VFO ..
Message-ID: <199611250118.RAA29978@mail.eskimo.com>

Hello Dan Arney, Merv Schweigert, Tom Rice, Russ Shcroeder, Ed Kleckner, K. Lauddon and Doug Hensley. I have copies of that info you requested ready to go in the mail monday. Did I miss anyone else who also requested that info?

73 Jim

Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)
Email: basalop@eskimo.com FAX: 360-659-1360
Ham Digital: K7SLI @ K7SLI.#NWWA.WA.USA.NA
Snail Mail: 5318 142nd PL NE Marysville, Wa 98271

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: Larry Godek <AZCOT@gnn.com>
Subject: BC-312-N
Message-ID: <199611260334.WAA12983@mail-e2b.gnn.com>

Larry Godek W00GH
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TAO, KN6TUP

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: Larry Godek <AZCOT@gnn.com>
Subject: BC-312N Dynamotor
Message-ID: <199611260339.WAA22680@mail-e2b.gnn.com>

The 12V dynamotor in my BC-312N is at the point it don't want to start anymore. There is no starting cap in the unit as the book doesn't call for it. Wonder if it would be worth it to find an electric shop to overhaul it? The other thing is I'd like to find another one to keep this thing running on 12V. Anyone have an extra one around from a junked out rec. or one they "found" at some hamfest/swapmeet? The receiver is excellent in condition and operation except for that and I certainly don't want to let it die in the corner or out in the garage. AC conversion is not an alternative at this point. It needs a DM-21B in case you have a bunch of them laying around. Thanks for looking.

Larry Godek W00GH
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TAO, KN6TUP

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: peterada@mindspring.com (Peter Adams)
Subject: BC-342 N, Manual Needed
Message-ID: <199611250140.BAA17932@mule1.mindspring.com>

Hello Folks

I picked up a very nice BC-342N at the Tampa Hamfest on Saturday. It's very clean and has the built in 120V P.S. I can't believe it, a military BA that just plugs in!!!!!! It works in a way and will need some TLC and tune up. I didn't get a manual with it so will need one to proceed. Any one have a

manual to copy/buy ?. A check of the W7FG didn't show that they had one in their vast inventory, anyone know of another source?. Thanks.

Peter Adams
N4KIA
Near Atlanta, GA

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: WJoeW@aol.com
Subject: Re: BC-348R
Message-ID: <961124192712_230971433@emout11.mail.aol.com>

Methinks the common denominator here is that the same head is employed in each case. The hum may very well be in the head.

(Just kidding, of course!)

Joe

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: n6nae@ix.netcom.com (Richard Humphrey)
Subject: RE: BC-348R hum (muffled!)
Message-ID: <199611260344.TAA09195@dfw-ix4.ix.netcom.com>

>From the responses I received, I'm not the only one with a hummy -348.

I used the original DC power wiring to get AC to the AVC/OFF/MVC switch on the panel. That was the problem. Coupling in the wiring harness.

I ran separate twisted pair for the AC wiring, kept it separate from the rest of the circuitry, and that reduced the hum to a low enough level that I can ignore it. For now.

Someone suggested adding a power switch in place of the dial lamp pot. That would also do the trick. Or replace the pot with one that has a switch and keep the dimmer function.
Richard

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: Begging and Pleading, Part II

Message-ID: <UPMAIL03.199611260046180704@msn.com>

Hi Gang, got home from work and dumped the list mail, Boo-Hoo no response for my begging and pleading for a SX-101 BFO knob. BTW, I think I asked for same when I originally own the guy.
So with that said. I think I can make a repro from a knob from the lowly S-85. Now, does anybody got one of those little suckers. I got just a few of the Hammurland knobs left for trade or will pay cash or whatever.

Thanks In Advance
Al
fritsche@msn.com

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: Nick England <nick@cs.unc.edu>
Subject: Cesium Beam madness
Message-ID: <199611251600.LAA08532@altair.cs.unc.edu>

Many years ago I worked at a place where the door to the back parking lot led past the calibration/test lab which had something like one of these Cesium beam standards. This gadget drove an "analog" clock dial via a stepper motor I guess. The stepper motor never worked right and lost time each day - even though the standard was OK (I hope).

Anyway, every morning, one of the engineers who arrived early would look at his Timex and set the clock dials. Some time later, one of the coat-and-tie managers would come in, look at the clock, reset his fancy new Accutron, and walk away muttering to himself.

73,
Nick KD4CPL

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: vancleef@netcom.com (Henry van Cleef)
Subject: Dabbling in cheap radios
Message-ID: <199611250433.VAA17117@netcom14.netcom.com>

This afternoon, I picked up a couple of world-famous low-price communications sets: a Hallicrafters S-40B and an S-38 (the original 6-tube model). These sets were more-or-less complete, but have been around the horn.

Readers familiar with my interests will wonder how come I've lowered myself to get such plain vanilla iron. Well, I've needed an AA5 for

researching the vagaries of the AA5 circuit, and an S-38 is about the best of the AA5's. However, this was something of a Mutt and Jeff operation, so the S-40B sort of tagged along with it.

Things I need for the S-38: The fibreboard back, the BFO pitch knob, and one tuning knob. The S-40B will donate the knobs for the moment, but I'd like to get a back for it if I can. Anybody got a junker in the S-38 series? The BFO knob (same as the S-40B) is a small shaft knob, about 1/8 inch.

I'll have to rebuild the S-38 completely. The insulation is falling off the wires, and the interior looks as though it had been sprayed with a light coating of cosmoline----there is that much crud all over the thing. The four insulating grommets have long since turned into history, so I'll have to replace them as well. A bunch of wire, new resistors and caps, and it should be perking away fairly easily.

Can't figure what to do with the S-40B. I am astounded at how Hallicrafters managed to take the S-40 mechanical design, which they hired Raymond Loewy to advise them on, and turned it into an ugly beast. Something honest about a cheap-looking radio being a cheap radio, I suppose. Nearly fifty years ago I had a 1946 S-40, which may have been a cheap radio with dismal performance, but at least it was nice looking, with the aluminum bandswitch knob and the silver highlights and speaker grille. The "B" version is flat black, from stem to stern.

I'd really thought in terms of parting it out. But all of the radio is there, and it would probably come back to life if I replaced the underchassis passives after cleaning out all the dirt and fuzzy-wuzzies. This would be a 100% stock rebuild. I learned years ago that the S-40 is a superb paper design, and there isn't much you can do to improve it, short of jacking it up and sliding a real radio under it. Might spend some time analysing the coils and its performance, then sell it. If there's anybody on the list who is hot to acquire an electrically-pristine S-40B, E-mail me. Considering that I've already got a superb RME-45, and an RME-69 project, and a few more interesting radios to boot, an S-40B is not something I'm much interested in keeping around, after doing some engineering studies. Sort of curious to find out what happens when you use a 6SB7Y in place of the 6SA7----although I have a hunch that Halligan's engineers asked that question in 1946. This set came with a 6SK7 in the RF amp socket, so it probably didn't do too well, even at best. Since I just happen to have a new 6SB7Y, as well as new 6SG7 and 6AB7/1853, I might just try a bit of mix-n-match in the front end. Of course, with Hallicrafters' low-end radios, you can be sure that if 6SA7's were 10 cents cheaper, that's what got used. I'm amused to see what look like cheap Miller home entertainment IF's in it. Evidently,

they're original---the chassis is punched for the clips, as well as mounting holes for conventional Meissner-type can IF's.

One question for S-40B wizards. The "B" version, unlike the S-40 and S-40A, opens the RF-IF cathode line for "standby," and there is a connector of some sort on the back for a remote standby switch. That connector is missing on my set. Looks like a hole for a rectangular 110 volt outlet. What did Hallicrafters use there?

Of course, if a good working S-40B doesn't excite anyone, I might paint it up with my choice of colors. The case is badly scratched on the top. Anybody going to break out in hives if I paint it up in gloss colors? I really don't dig black crackle, but flat black really is the living end. The one thing going for this radio is that the tuning dials are still the original green.

--

=====
Hank van Cleef
E-mail vancleef@netcom.com or vancleef@tmn.com
=====

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: Tom Taylor <ttaylor@Adobe.COM>
Subject: Dual rack with desk for sale
Message-ID: <[v03007801aebf14368be2@\[144.7.25.31\]](mailto:v03007801aebf14368be2@[144.7.25.31])>

As part of a bunch of equipment I bought last summer, I have a double sided rack cabinet that's taking up too much room in my garage. I'd like to sell it. Here are the details:

- side by side 19" racks
- rack height 70"
- outside dimensions: 40.5" wide, 78.5" tall, 25.5" deep
- double vented hinged doors on back
- metallic gray finish
- desktop that attaches to front of rack, 40.5" wide, 21.5" deep
- desk has dual outlets on the front
- dual squirrel cage fan on one side at the bottom of the cabinet
- vertical outlet strip on back inside corner of rack

- \$50, pickup only

Tom Taylor, N7TM
Redmond, WA

Tom Taylor
ttaylor@adobe.com

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: dfrancis@access.usa.net (Dexter Francis)
Subject: Re: e-mail address change
Message-ID: <v01520d00aebf960979f9@[192.156.196.118]>

Greetings all -

I am in the process of getting a permanent, transferrable e-mail address from my ISP.
(Hopefully this will go smoothly!)

The new address will be: tubes@usa.net

Please update your address books and bear with me as we sort out the details.

For those who are interested, the process of setting up the tube inventory has taken a temporary delay due to the need to tear up the floor for plumbing modifications.
Rest assured, we'll be set up in time for your Christmas shopping needs.

Many thanks

-df

P.S. Jack; could you update my entry in the listserver also?

* CWest Tube Sales *
"Have Tubes, Will Haggle"
2945 Blodgett Drive
P.O. Box 49085
Colo. Spgs. CO 80919
(719)260-5513 voice/fax
e-mail: tubes@usa.net

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "Chuck (Jack) Hawley" <c-hawley@uiuc.edu>
Subject: E. F. Johnson pre WW2 coils
Message-ID: <3299CB0B.2F05@uiuc.edu>

Hi,

A friend of mine (Bill, N4VMY) would like to find a source of the ceramic plug in coils manufactured by E. F. Johnson prior to WW2. The ones he wants are wound on ceramic forms, rated at 500 watts and are mounted on a 5 pin plug bar. He has a complete set of the 150 watt ones (which he calls the grid coils) and wants the 500 watt ones (plate coils) to complete an AM transmitter. There is a picture of these in the 10th Radio Handbook on page 650 (in the ad section) but there are no part #'s listed. If anyone has part #'s for these coils, I would appreciate those too.

After the war in about 1948, Johnson introduced the air wound coils with the swinging link deal, so the only pictures in the handbooks of these ceramic ones should be in the pre 1948 or pre war publications.

Thanks,

Chuck, KE9UW

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: KB9VU@aol.com
Subject: Eimac 8873
Message-ID: <961125182606_141908175@emout11.mail.aol.com>

Anyone got specs on this tube? Also need the Eimac total hour life estimate if ther is one.

Thanks. Mike - KB9VU

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: mwexler@snet.net (Mike Wexler)
Subject: Fair Radio Sales' Web Page
Message-ID: <199611250431.XAA17269@daisy.snet.net>

Hi Folks,

I just came across this URL for a web page that Fair Radio Sales Co. has under construction:

<http://alpha.wcoil.com:80/~fairradio/>

There's a couple of one of a kind items listed there:

- Peter Dahl transformer: 3450 vct, 1.6 A

- 10H, 10 kV, 1A choke

It also says their fall supplement will be mailed out this month.

Regards,

Bill Michels
mwexler@snet.net

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: drhydro@ames.net (Paul Nelson)
Subject: Fair Radio WWW page
Message-ID: <v01540b00aebf899d5eb4@[1.1.1.1]>

Bill Michels (mwexler@snet.net) wrote:

>I just came across this URL for a web page that Fair Radio Sales Co. has
>under construction:

><http://alpha.wcoil.com:80/~fairradio/>

When I tried that URL, it bombed... so I did a search on Alta Vista and
found the following, which **does** work from my antiquated SE/30.....

<http://alpha.wcoil.com/~fairradio/index.html>

and they also list an email address: fairradio@alpha.wcoil.com

Send those guys an email- let them know we like 'em!

who knows what evil lurks in the heart of the Internet routers....
heh-heh-heh, de Shadow do!

Paul Nelson W5GNF
Ames, Iowa

(DrHydro@ames.net)

Cessna 140 N77149

"When I go, I want to go quietly, in my
sleep, like my grandfather- not
screaming, like his passengers."

"More hay, Trigger?"

"No thanks, Roy, I'm stuffed."

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: Richard Hager <rhager@millcomm.com>

Subject: Re: Fax Love
Message-ID: <32991790.3370@millcomm.com>

Dick Dillman wrote:

> So now you've got
> the oscillator howling, the eye blinking, the drum rotating, the
> spark going zzzt! zzzt! and smoke rising overall from the burning
> process. Finally, you engage the lead screw lever to move the drum
> slowly along under the stylus, making the picture as it goes.
>
> As you can see from the above description, it makes absolutely no
> difference that you have no idea what the finished fax says. It's
> the *process* man! Oh, baby. I can hardly wait.

hee hee

Man I loved this! I laughed so hard. This story was so well rendered that my wife understood the whole thing and cracked up too. Except she asked me what a Willy's (in Dick's sig) was, which startled me since we own a Grand Cherokee.

What great writers we're blessed with here.

Thanks Dick!

> Dick Dillman
> WPE2VT W6AWO ex-N6VS
> <ddillman@igc.apc.org>
> Collector of Heavy Metal:
> Harleys, Willys and Radios Over 100lbs.

--

Richard Hager

+ Ah-ha! Design Group, Inc. -
+ Precision CNC Technology, since 1991 -
+ 612-641-1797, Fax: 612-641-8681 -
+ "I just like to make things" So... -
+ please call Ah-ha! directly for CNC info -
+ <http://www.gdic.com/ahha> email: ahha@gdic.com -

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: "Gary Mitchelson" <gary_mitchelson@usa.racal.com>
Subject: For sale: R390A

Message-ID: <9610258489.AA848963208@usa.racal.com>

For sale R390A from the DAAB05-67-C-0155 EAC contract.
Very good condition. With a repro'd manual and complete set of NOS
spare tubes. plus almost a complete set of knobs and a spare front
panel.

\$400 plus shipping from Maryland

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: Steve Ellington <n4lq@iglou.com>
Subject: FS: Collins 51S-1 MINT
Message-ID: <m0vSD7o-000ci3C@relay.iglou.com>

51S-1 receiver in mint condition.

Everything is original on this beauty. I can find no scratches or flaws in the
front panel or cabinet. All knobs are perfect. No mods. Not even any parts
replaced
as far as I can tell. Every screw and nut is in it's place.

Even the tuning tool is in it's rightful place. All controls turn smoothly
and work properly with not even a scratchy pot. All bands operate perfectly.
800hz cw filter and 2.4kc ssb filters are installed. Am selectivity is 5kc.

Even the ac cord is original and in good condition. This one is plug-n-play.
Only a little dust can be found on the chassis which I shall leave for the
new owner. If you have been wanting a cherry S-1, then this is it. Manual
copy included.

Price \$1,500 obo +-

Shipping and insurance from 40272 extra.

Contact N4LQ@igLou.com

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Tom.Daley@530.gigo.com (Tom Daley)
Subject: fs: drake tr-4 hf ssb
Message-ID: <44b_9611251536@gigo.com>

hello i have for sale (1) drake tr-4 hf ssb transceiver
its in very good condition (both looking and working)

it has 3 sylvania (us made) 6jb6a tubes for final amp and does full output power (180-200w). front panel is in good shape with no scratches (main tuning knob insert show some wear). case has minor scratches but in very good shape. also includes ac4 power supply and ms4 speaker cabinet, both in good condition. chassis is bright and free of rust or problems (some dust). this rig is fully functional ! with microphone (cheap) but gets great audio reports. also with manual copy and spare trio of used ge 6jb6a (good but down a bit!!) \$300 plus shipping 73 tom in sacramento

--

: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: K1EL@aol.com
Subject: FS: DX100 VFO assembly
Message-ID: <961124204549_805711316@emout02.mail.aol.com>

Digging in the basement again... this time I found a VFO assembly for a DX100.
It's the copper plated box with a 6AU6 on top, inside all the coils and switching circuitry. Hooked it up on the bench and it actually works ! If anyone needs a replacement or has a use for it let me know.

Steve K1EL

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Tom Norris <badger@telalink.net>
Subject: Gear Clamp Needed for R-390A
Message-ID: <3.0.1.32.19961125151140.006b1018@telalink.net>

More R390A adventures.....

Help. Troubleshooting my new R390A, and have discovered a broken gear clamp. This is the clamp that attaches a small gear to the shaft coming off the "dial zero" shaft. Appears to be the one that couples the KC knob to the gear train driving the rack.

Anyone got a clamp that would fit????

Tom Norris KA4RKT
badger@telalink.net Nashville, Tennessee, USA

Eagles may soar, free and proud, but weasels never get sucked into jet engines.

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: Handbooks FS
Message-ID: <3299BB29.771@sci.mus.mn.us>

I have the following ARRL handbooks for sale. Unless otherwise noted they are in good to very good condition. Price includes shipping.

48 \$15
56 \$15
71 (fair) \$10
72 \$12
73 \$12
74 \$12
75 \$12
76 \$12
77 \$12
78 \$12
79 \$12

--
Chuck Penson
WA7ZZE

penon@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Chuck Penson <penon@sci.mus.mn.us>
Subject: Handbooks SOLD
Message-ID: <329A16A6.58FC@sci.mus.mn.us>

Thanks to all who responded...the handbooks have been sold.

--

Chuck Penson
WA7ZZE

penson@sci.mus.mn.us
612.221.4510 voice
612.224.5092 fax
<http://comped.sci.mus.mn.us>

Standard Disclaimer: The opinions expressed are etc. etc. ...

"Nothing is too wonderful to be true" -- Michael Faraday

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Karan Lee Carruth <klccarru@tenet.edu>
Subject: Heath HW-7?
Message-ID: <Pine.OSF.3.91.961125162042.114C-1000000@alpha.tenet.edu>

Can anyone tell me what a Heath HW-7 is? Frequency range, power, etc.
Are they any good? Tube type or sand? What is one worth?

Thanks,

Lenox, WA50VG
klccarru@tenet.edu

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: JOHN_SEHRING@ecunet.org
Subject: HT-44 PA TUBE SUB
Message-ID: <9611251907.aa06970@pcusa01.ecunet.org>

Sorry to say I got skunked just like this on a Drake T-4X, 6BJ6 to 6146
mod.

Looking thru the wire mesh cage around the PA tubes before I bought it, I
saw tubes in place, so everything ok, right?

This 'modifier' just changed from 9-pin novar (sweep tube) to 8-pin octal
sockets, moved wires around to accomodate different pinouts and did
nothing more!

Needless to say, it did NOT work. Apply B+ in standby mode = idling plate

current ain't idlin', it skyrocketed, not controllable by stock bias circuit. I caught it very fast, I'm lucky!

Fortunately previous owner (abuser?!) did a mechanically neat mod, so will probably be relatively easy to reverse.

Caveat emptor, I'm sorry to say.

-John Sehring (11/25/96 3:02 pm MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: JOHN_SEHRING@ecunet.org
Subject: HT-44 PA TUBE SUB
Message-ID: <9611251908.aa08739@pcusa01.ecunet.org>

Sorry to say I got skunked just like this on a Drake T-4X, 6BJ6 to 6146 mod.

Looking thru the wire mesh cage around the PA tubes before I bought it, I *saw* tubes in place, so everything ok, right?

This 'modifier' just changed from 9-pin novar (sweep tube) to 8-pin octal sockets, moved wires around to accomodate different pinouts and did *nothing* more!

Needless to say, it did NOT work. Apply B+ in standby mode = idling plate current ain't idlin', it skyrocketed, not controllable by stock bias circuit. I caught it very fast, I'm lucky!

Fortunately previous owner (abuser?!) did a mechanically neat mod, so will probably be relatively easy to reverse.

Caveat emptor, I'm sorry to say.

-John Sehring (11/25/96 3:02 pm MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: JOHN_SEHRING@ecunet.org
Subject: HT-44 PA TUBE SUB
Message-ID: <9611251911.aa12326@pcusa01.ecunet.org>

Sorry to say I got skunked just like this on a Drake T-4X, 6BJ6 to 6146 mod.

Looking thru the wire mesh cage around the PA tubes before I bought it, I
saw tubes in place, so everything ok, right?

This 'modifier' just changed from 9-pin novar (sweep tube) to 8-pin octal
sockets, moved wires around to accomodate different pinouts and did
nothing more!

Needless to say, it did NOT work. Apply B+ in standby mode = idling plate
current ain't idlin', it skyrocketed, not controllable by stock bias
circuit. I caught it very fast, I'm lucky!

Fortunately previous owner (abuser?!) did a mechanically neat mod, so will
probably be relatively easy to reverse.

Caveat emptor, I'm sorry to say.

-John Sehring (11/25/96 3:02 pm MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: JOHN_SEHRING@ecunet.org
Subject: ISOLATION TRANSFORMERS
Message-ID: <9611251907.aa07160@pcusa01.ecunet.org>

Sadly almost all of the so-called line filters are guilty (by virtue of
their circuitry, e.g. bypasses to ground, but MOV's alone won't cause this
problem) of putting noise back onto the neutral and safely ground leads of
a power circuit. As the ordinary neutral and safety grounds offer rather a
lot of impedance at frequencies of audio and above, they 'dirty up' the
neutral reference.

The reference (neutral) is not truly at zero volts anymore so it's useless
as a reference *and* you're stuck with a bunch of extra noise on your
'ground'. It's tough to get a low-impedance ground via power circuits.

These facts are well known to those in the sensitive instrumentation and
audio businesses.

-John Sehring (11/25/96 3:18 pm MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: JOHN_SEHRING@ecunet.org
Subject: ISOLATION TRANSFORMERS
Message-ID: <9611251908.aa08752@pcusa01.ecunet.org>

Sadly almost all of the so-called line filters are guilty (by virtue of their circuitry, e.g. bypasses to ground, but MOV's alone won't cause this problem) of putting noise back onto the neutral and safely ground leads of a power circuit. As the ordinary neutral and safety grounds offer rather a lot of impedance at frequencies of audio and above, they 'dirty up' the neutral reference.

The reference (neutral) is not truly at zero volts anymore so it's useless as a reference *and* you're stuck with a bunch of extra noise on your 'ground'. It's tough to get a low-impedance ground via power circuits.

These facts are well known to those in the sensitive instrumentation and audio businesses.

-John Sehring (11/25/96 3:18 pm MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: JOHN_SEHRING@ecunet.org
Subject: ISOLATION TRANSFORMERS
Message-ID: <9611251911.aa12389@pcusa01.ecunet.org>

Sadly almost all of the so-called line filters are guilty (by virtue of their circuitry, e.g. bypasses to ground, but MOV's alone won't cause this problem) of putting noise back onto the neutral and safely ground leads of a power circuit. As the ordinary neutral and safety grounds offer rather a lot of impedance at frequencies of audio and above, they 'dirty up' the neutral reference.

The reference (neutral) is not truly at zero volts anymore so it's useless as a reference *and* you're stuck with a bunch of extra noise on your 'ground'. It's tough to get a low-impedance ground via power circuits.

These facts are well known to those in the sensitive instrumentation and audio businesses.

-John Sehring (11/25/96 3:18 pm MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: FPorzelt@seic.com
Subject: Key
Message-ID: <vines.I,I8+0NOamB@WAYNE.SEIC.COM>

Hi all. Since this is my first post, please forgive me if I've done something wrong.

I just acquired a telegraph key with the following inscriptions:

LEGLESS KEY
2 A
W. U. TEL. CO.

J.H. Bunnell & Co
NEWYORK U.S.A.

Anybody have any info on this piece? Are there any books that have pictures / descriptions of keys?

It is in good condition -obviously seen use- but all parts seem to be there. If this is a "good one", I'd leave it as is, maybe clean it up? If not maybe, I can mess with it and get it working. I need to practice cw (have only passed 5wpm so far), so maybe a "code practice" project is in order?!?.

I'm new at this (BA and ham), so any help or suggestions would be greatly appreciated!

73s

Fred KB9MVU

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: stever@cybercomm.net (Stephan Rashkin)
Subject: Lionel J-38 What should I pay??
Message-ID: <199611251855.NAA30743@raven.cybercomm.net>

Hi Gang,

A friend of mine is selling me a nice original Lionel J38 straight key.. It is in excellent shape with original cardboard box (file#13946-Phila. -43) Signal Corps US Army also in excellent condition..I would like to give him a very fair price..I want to give him its full worth.. Any suggestions? Please E-mail direct if possible not to tie up list.. For the record I will post what I end up paying..I know these keys have also been getting inflated prices lately..

Thanks,

Steve, WA2NHZ...

Happy Thanksgiving all on the list

Steve Rashkin, WA2NHZ
Howell, New Jersey 07731

E-mail: stever@raven.cybercom.com

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: Larry Godek <AZCOT@gnn.com>
Subject: Re: Lionel J-38 What should I pay??
Message-ID: <199611260313.WAA08365@mail-e2b.gnn.com>

Interesting bit of data. I have a NIB J-38 also , Signal Corps,
order # 13947-Phila-43, made by American Radio Hardware Co. Inc. in
NYC. Thought it was neat cause there is one number difference in
our contract numbers.

Mine was a christmas present years ago from a close friend in
Kansas. When I die its gonna accompany me into the box.

Along with my other BA's so when I get where I'm going I'll have
something to play with. Hopefully it won't be to hot cause I don't
like to do antenna work in the heat.

>Date: Mon, 25 Nov 1996 13:14:53 -0600 (CST)
>From: stever@cybercomm.net (Stephan Rashkin)
>Sender: boatanchors@theporch.com
>To: Multiple recipients of list <boatanchors@theporch.com>
>Subject: Lionel J-38 What should I pay??
>
>Hi Gang,
>
>A friend of mine is selling me a nice original Lionel J38 straight
key..
>It is in excellent shape with original cardboard box
(file#13946-Phila.
>-43) Signal Corps US Army also in excellent condition..I would
like
>to give him a very fair price..I want to give him its full worth..

>Any suggestions? Please E-mail direct if possible not to tie up
list..

>For the record I will post what I end up paying..I know these keys

>have also been getting inflated prices lately..

>

>Thanks,

>

>Steve, WA2NHZ...

>Happy Thanksgiving all on the list

>

>

>

>

> *****

>

> Steve Rashkin, WA2NHZ

> Howell, New Jersey 07731

>

> E-mail: stever@raven.cybercom.com

>

>*****

>

>

Larry Godek W00GH

AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TA0, KN6TUP

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996

From: Witmerjr@aol.com

Subject: Looking for Z-50 RF Chokes

Message-ID: <961125231741_1683545299@emout19.mail.aol.com>

Hello All

Anyone know a source for Z-50 RF Chokes?

Thanks & 73,

Bob W3RW

witmerjr@aol.com

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: john <johnmb@pop.mindspring.com>
Subject: Lysco Lunacy
Message-ID: <199611260022.AAA99846@mule0.mindspring.com>

Gentlemen, and Lady,

Thanks to another listmember, I have a Lysco Tuner and 80m VF0.
Both are in good shape, and I'm very happy to add them to the stable
here. My questions are, What the heck was this stuff used with? The
Lysco 600 I have would not use the VF0, although the tuner might
handle the output of the mighty Transmasters' 807. Does anyone have
any docs on the VF0? Its a tiny thing, in a cabinet about the size of a
Gonset converter, and it is calibrated for the 80M band. Neat!

I'm hoping someone can shed some light on these for me....

Does anyone have a Lysco on the air? Mine is working, though not
huffing much power out yet!

73
/John

John Brewer AMI #24
WB50AU/4 Clayton NC
Always looking for Lyscol, and other
lesser known commercial ham gear
from the 30s-60s.

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Tom Norris <badger@telalink.net>
Subject: Manual and tube sources for R-390A
Message-ID: <3.0.1.32.19961125180319.006b0eb8@telalink.net>

Yes, its been talked about before, but never had one till now.

Am about to start on the restoration. Several things I need,
a manual being one -- one of the problems is a broken gear clamp
(one is in the mail to me) so will need to re-align the racks.

Did a quick and dirty diode+resistor setup just to get B+ to
the unit to do a quick check, and I have at least IF noise,
all the tubes light, but there is a HMMMMMMMMM and about
all. Will wait to attempt a fix on that when I get the 26Z5s

Though I have been told that the diode and dropping resistor mod is good or bad, depending. Rick Mish sez that is the worse thing to do to a 390, so I will attempt to replace them so my B+ will be applied in a kinder fashion upon turn-on....

I think Tannenbaum has manuals? or did? Cant seem to find the URL for the tannenbaum site, though.

Tom Norris KA4RKT
badger@telalink.net Nashville, Tennessee, USA

WINTHROP UNIVERSITY

T0: Remote Addressee (_smtp%"boatanchors@theporch.com")

The HX-100 Marauder still sits on the shelf, looking lonely. Still trying to locate a full manual or at least a copy of the needed bits and a schematic. Will cover all cost, etc. Help me get this puppy up and running for these cold winter nights!

Thanks haney no2n <howellh@winthrop.edu>

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Richard Pekelney <pekelney@rspeng.com>
Subject: Military Equipment Lists
Message-ID: <v03007800aebfd7560f9f@[140.174.162.60]>

Folks,

For those working on military BAs, Fred Chesson has provided USS Pampanito with some of his very useful lists of equipment and manuals to put up on our WWW site.

We also have put up an article written by Ray Mote that describes the various nomenclature systems that were in use.

These documents come from the authors unmodified and Pampanito gratefully acknowledges the author's generosity in sharing them.

They are both linked at the end of Pampanito's wish list:
www.maritime.org/wish.shtml

rich

--

Richard Pekelney
Internet: pekelney@rspeng.com
Phone: 1-415-563-5928
Fax: 1-415-563-5787

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: Larry Godek <AZCOT@gnn.com>
Subject: NA4G
Message-ID: <199611260333.WAA24406@mail-e2b.gnn.com>

I heard Bob amongst W1AW I think it was Saturday nite. Might have been Friday nite about 03:20-03:30 on my BC-348Q with 40 mtr dipole. Not a bad signal either. Propagation was good though as the solar flux was around the 90 mark I think.

Even 15 meters was open wall-to-wall Saturday.

Larry Godek W00GH
AZCOT@gnn.com

Gilbert, AZ. 85233

Ex-W6KQL, W8BPV, DL5LS, K0TA0, KN6TUP

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996

From: 4CX250B@miavx1.acs.muohio.edu

Subject: National NC-155

Message-ID: <v0300781baebfb449c390@[134.53.136.105]>

I recently picked up a NC-155 from a friend's friend, complete with matching speaker, but no manual. The speaker has some chips on the cabinet, but the receiver looks nearly flawless. It's somewhat dirty on the inside, but looks exceptionally clean. I turned it on, and heard some signals, but the frequencies were way off (heard only commercial sigs on the 80 meter band). Haven't had a chance yet to put it on the bench. I'd like to find a circuit diagram and parts layout for the rig, as well as any alignment instructions. Could anybody help me out?

Id also be interested in folks' general impressions of the NC-155. I don't recall hearing much about the radio in years' past. It strikes me as an odd duck, covering 6 meters as well as 80-10. It has a baby blue shiny color (cabinet and panel), and a very nice flywheel dial. I'm not even sure when it was made, but the tube lineup suggests early 60s.

73,

Jim W8ZR

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996

From: mknudsen@lucent.com

Subject: Re: National NC-155

Message-ID: <9611252120.AA12317@bock.ih.lucent.com>

Well, my Moore's is at home, but the 155 must be the rx I saw in there that struck me as an earlier version of the NC-270. I had one of these for a while last year, but someone wanted it enough to make me a good offer.

Like hte 155, the 270 had a flywheel "safe" knob, slider rule dial with 80 - 6m bands (no 160 or GC bands), and "Cosmic Blue" color taht was really nice. Also a flip-donw front foot like on some test instruments. It used a "Ferrite Filter" L/C IF for various selectivities and USB/LSB at a 50 or 60 KC IF freq.

Unforch it must have been one of a very few rx that had a Prod Detector but still couldn't use AGC while on SSB/CW -- the 270 stole the last IF tube for the PD, so had to cut out the AVC.

Other than that, not a bad little radio. I think the 155 lacks the prodcut detector and hte ferrite filter. 73, mike k aa9rg

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: berg stephen erik <z931086@corn.cso.niu.edu>
Subject: Re: National NC-155
Message-ID: <Pine.3.89.9611251920.C18995-01000000@corn.cso.niu.edu>

I had a NC-155 back in the 1960's. I had a great time with it on HF, and 6 meters. I sold it when I lost my Knight T-60 transmitter to a friend's "modifications" and had nothing else to pair off with the receiver. I wish I still had it. I bought a NC-270 a few years ago, and it does not seem to be as good as how the nostalgia recalls the NC-155. The 155 surely has a much nicer dial setup, but the 270 has the ferrite filter set up for selectable sideband use, and has a built in 100KC calibrator. I think that your radio merits some fixing up, and you will like it very much.

73,

Steve WA9JML

z931086@corn.cso.niu.edu

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: mknudsen@lucent.com
Subject: NC-173 Saga, and Auto-Ranging Warning
Message-ID: <9611252025.AA12220@bock.ih.lucent.com>

A short followup on the saga of my attempts at restoring an NC-173.

First, beware of auto-ranging digital multimeters. I had been checking out B+ and Screen resistors in this beast, and replacing those that were more than 20% over value. One 33K looked fine.

Later I tilted the meter face toward me, looked closely, and realized that it was missing a decimal point -- not 33.3K, but 333K or 1/3 MegOhm! Actually I caught it first with a manual-range meter....

Needless to say, I no longer own that resistor nor does my radio, and the old pumpkin-dial National now hears noise (that responds to the ant trimmer) up to 30 MC. Definitely trying harder, and not bad for 6SK7s (or maybe a 6SG7? I can hope, will remember to look). CB comes in about as well as on the 75A4 (hey, just testing the radio...yes, I remember when Hams were up there)

Still no BFO, that's next. BTW, National leaves B+ on the BFO tube at all times, and turns it off by shorting grid to ground.

Also I have no ANL, cuz the the switch on the rear of the ANL pot seems to have gotten flicked OFF while the pot was turned up. A silly state that can be cured by taking the switch off the pot and flicking it back (I hope), but does anyone know a short cut so I don't have to take the whole thin apart? It's buried on the chassis and I'd have to unsolder a lot of wires to get it out.

This rx overloads badly on local BC stations unless I detune the ant trimmer. However, that's on my new Fritzel 80m dipole, which delivers SPEAKER-level audio on my xtal sets! So I don't think it's the radio's fault, but maybe I need to tinker with the RF stage some more. The grid leak resistor from AGC to the RF grid had gone to infinity, and replacing that improved teh sound and dynamic range a lot, but I guess 1000 mV is more than the set is rated?

The audio is superb, though only single-ended 6V6. Tuning feel is equal to the Hammarlunds, and the dial calibration is nearly linear. With the help of various people, I'm getting the correct knobs back on the set. 73, mike k aa9rg

PS: The 173 and 183 are the most "ordinary" of National's old sets, lacking the PW (HRO) dial or the mixed GC/BS pointer dials of the NC-200 line. They're basically HQ-style jobs with bigger windows. Yet I think I like them better than the "strictly National" Nationals.

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: NC-173 Saga, and Auto-Ranging Warning
Message-ID: <199611260228.TAA05687@netcom23.netcom.com>

As mknudsen@lucent.com discourses

>

> To: boatanchors@theporch.com

>

> A short followup on the saga of my attempts at restoring
> an NC-173.

>
> First, beware of auto-ranging digital multimeters. I had been
> checking out B+ and Screen resistors in this beast, and replacing those
> that were more than 20% over value. One 33K looked fine.
>
> Later I tilted the meter face toward me, looked closely, and realized
> that it was missing a decimal point -- not 33.3K, but 333K or 1/3 MegOhm!
> Actually I caught it first with a manual-range meter....

High on the list of reasons I do not use a DVM. I've seen too many people get burned by auto-ranging. Besides, watching the movement of an analog meter needle says lots about the circuit, and watching numbers spin around is more-or-less meaningless. There is nothing like a good VTVM for old radio work.

>
> Needless to say, I no longer own that resistor nor does my radio,
> and the old pumpkin-dial National now hears noise (that responds to
> the ant trimmer) up to 30 MC. Definitely trying harder, and not bad
> for 6SK7s (or maybe a 6SG7? I can hope, will remember to look).
> CB comes in about as well as on the 75A4 (hey, just testing the
> radio...yes, I remember when Hams were up there)

The radio is supposed to have three 6SG7's and no 6SK7's in it.

>
> Also I have no ANL, cuz the the switch on the rear of the ANL pot
> seems to have gotten flicked OFF while the pot was turned up.
> A silly state that can be cured by taking the switch off the pot
> and flicking it back (I hope), but does anyone know a short cut so
> I don't have to take the whole thin apart? It's buried on the
> chassis and I'd have to unsolder a lot of wires to get it out.
>

Very likely you'll find something mechanical inside the pot that needs tweaking. Check that the tab that works the switch is in the right position. If you've got troubles, you'll need to take the pot out, take it apart, and do microsurgery.

> This rx overloads badly on local BC stations unless I detune the
> ant trimmer. However, that's on my new Fritzel 80m dipole, which
> delivers SPEAKER-level audio on my xtal sets! So I don't think
> it's the radio's fault, but maybe I need to tinker with the RF
> stage some more. The grid leak resistor from AGC to the RF grid
> had gone to infinity, and replacing that improved teh sound and
> dynamic range a lot, but I guess 1000 mV is more than the set is rated?

The set should have enough AVC control to handle 1000 microvolts (not millivolts). Note that this set has an amplified AVC. Check the 6AC7 circuit. There is a separate feed from the detector to its grid. Check the plate circuit tuning, etc. On 1000 microvolts, you will

probably need -15 volts on the AVC line for control.

>

> PS: The 173 and 183 are the most "ordinary" of National's old sets,
> lacking the PW (HRO) dial or the mixed GC/BS pointer dials of the
> NC-200 line. They're basically HQ-style jobs with bigger windows.
> Yet I think I like them better than the "strictly National" Nationals.
>

They are, admittedly, very straightforward designs with none of the
National "treasures" around them. Nonetheless, you get National Co.
coils, National Co. IF's and other National Co. stuff.

--

=====
Hank van Cleef

E-mail vancleef@netcom.com or vancleef@tmn.com
=====

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996

From: Robert Nickels <ranickel@mwci.net>

Subject: Nebraska Mega-Auction (long)

Message-ID: <329A6E00.2570@mwci.net>

Were any BA list members at the big radio auction in David City,
Nebraska Sunday?

It was a 500 mile trip for me, but since my folks are 25 miles away,
I just had to go. It was billed as "ham radio, broadcasting, public
address, plastic and wood case radios, BC-610, Viking, homebrew
transmitters, many parts, etc"...the estate of Jacob Thomas, a longtime
ham, TV service shop owner, and W0GLS (previously W9GLS, he was
first licensed when Nebraska was part of the 9th call district)

Walking into the David City auditorium was like walking into a
1940 Allied catalog. I counted 55 eight-foot long banquet tables
covered with every kind of BA part imaginable! I go to a lot of
hamfests in the Chicagoland area, and I've never seen anything like
this! Here is a mini-summary of what was there, and a few prices:

BC-610 - pieces and parts only. \$4 for the power supply chassis
and about the same for the modulator chassis (what was left
of it). RF deck must have been scavanged... a couple of sets
of coils/tuning units brought \$10-20 total

Homebrew transmitters - one with a built-in VF-1 went for \$8, one
built around a Globe King RF deck went for a little more

SX-28 with wrong Halli. speaker - \$180

S-19 Sky Buddy - \$35 S-41G and S-38B went \$25 each
Johnson Viking 500 RF Deck only - \$67.50. Followed me home.
Johnson Courier Linear - \$20.00! Yes, I feel bad about it, but it
wanted to be with its big brother.
(the Bad News: Neither have cabinets. And there's the matter of
the missing power supply/modulator for the 500...anyone got a spare?)
Keys: J-36 Lionel bug \$150, J-38 new in box (!) \$35, J-37 with leg
strap \$40
Mikes: Misc. chrome ham-type mics like EV-630 went in the \$30 range,
I was more interested in the vintage broadcast mics which
sold for way more than I planned to spend! But hoe many
chances does a guy have to buy a Western Electric 'ring' mic?
Speakers: Jensen 12" and 15" will be making good BA music at my QTH!
Hammarlund HQ-180, very nice shape \$250
Military stuff like phantom antenna, dynamotors (very large!) and so
on, most went for typical hamfest prices. A dozen or so command sets,
mostly hammified went for \$3 apiece for the better ones and \$1 for what
was left. Mil mics/headphones for a buck or two. Lots of "unknown"
items
to me, but quickly snapped up by the mil collectors.

With "only" a car, a pickup, and a flatbed trailer available, I
really had to watch my purchases when the parts and paper was sold:

Lots of old QST, CQ, Radio, etc. sold for \$12-20 for a big boxful. I
sure love that smell! Got QSTs from 1930's and some '20s which I will
ration out for wintertime reading...One box of old paper brought \$45, it
contained an old Collins catalog and personal letters signed by Art. W.!

Tubes: 6 eight-foot tables of receiving tubes, about half of which were
pulls or used, the other half new in box. When is the last time you've
seen 01A's, 6E5's, or 2A3s NIB? I spotted one box of 25L6s, 100pcs.
NIB.

Just think what AES would have done if they'd sent a buyer to this sale.
Another pair of tables held transmitting tubes. Out of respect for
the members of this list, I won't go into details, but suffice it to
say that there was at least "one of everything" from Taylor, Eimac, RCA.

TONS, and I'm not exaggerating here - of transformers and chokes of all
kinds. How about Thoradson CHT series, NEW in original packing crate,
including Railway Express sticker? MultiMatch mod xfmr? Pick from
several. Now you know what was holding the flatbed trailer down on the
way home! At least 40' of tables, plus floor underneath. TONS!

Miniductor stock, a big box of National dials, flex shafts, hardware,
all was to be found. There should be some big signals from the
Nebraska-Iowa-Missouri area if even a fraction of this stuff gets put
on the air! It was truly mind-boggling to see all this stuff and the

great thing was that there was truly something for everyone. The vintage radio guys drooled all over the Emerson Patriot that was sold for (only) \$200 and cathedrals/tombstones ran from \$10 to \$80. The auctioneers, who did a very good job considering they didn't know much about what they were selling. They said this was the largest auction they'd handled, taking 7 solid hours to get thru it all.

Since for many, the well-known surplus dealer is associated with Nebraska, it is my pleasure to report that all buyers were individual hams, not dealers. So everything went to a good home, not into some dealer's warehouse. It was a great day for everyone, I don't think anyone went home empty handed out of 75 or so bidders.

I have a feeling this was a once-in-a-lifetime deal for me. Unless anyone's got a time machine!

73, Bob W9RAN
ranickel@mwci.net

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: dfrancis@access.usa.net (Dexter Francis)
Subject: Re: New E-Mail address (addendum)
Message-ID: <v01520d01aebf9f81b31b@[207.0.57.74]>

My ISP has informed me that I now actually have two viable e-mail addresses, so those of you who wished to update your address books for me can keep the dfrancis address and just add "tubes@usa.net" for the business side of things. Both will get thru.

-df

* CWest Tube Sales *
"Have Tubes, Will Haggle"
2945 Blodgett Drive
P.O. Box 49085
Colo. Spgs. CO 80919
(719)260-5513 voice/fax
e-mail: tubes@usa.net

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: TPHAACK@ccmail.monsanto.com
Subject: No Subject

Message-ID: <00304000019209790000002*@MHS>

Gang,

Would anyone have suggestions on where I might find manuals for Teletype machines??

I picked up last weekend a Model 35 ROTR (Receive Only Type Reperferator). It's about a foot square and maybe 10" high. It sets on a small floor stand which houses the power supply. After some assembly and cleaning (it had been apart) I put power to it and was pleased to see it perf and type a "quick brown fox" message from my test generator.

It appears to be of the Model 33 vintage using the round cylinder print head but the head, mechanics, and power supply are much different not to mention smaller. I was able to get some clues on the assembly and theory of its electronics from my 33 manual.

I'd appreciate any info on this unit.

Tim WA0TSY
tphaak@monsanto.com

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
Subject: off line for a while today only
Message-ID: <2.2.16.19961125145442.26ef0e2c@fvmail.com>

Hi Gang!
just a note. having some upgrades done to my comp. sys. & will be off line while these are being done today...if you email me, i will asap get back to you, later in this day.

thank you

Robert

**** Please, Visit my Web Page.....****

=====]-[->

Robert Fowle KC8DBC

The HAMMARLUND Historian

Ph. 517-789-6721

1215 Winifred

Jackson, Mich. 49202-1946

E-mail: hammarlund@jacksonmi.com

Web Page: <http://www.jacksonmi.com/hammarlund>

while your there, check out the 'AUCTION' link.....

HAMMARLUND LITERATURE WANTED

WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====]-[->

see it first on my list...to be put on the 'mail list' (send me email)
or see it later in.....

Boatanchors news group: rec.radio.amateur.boatanchors

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: KA9EGW@aol.com
Subject: Oldham coupler repro interest?
Message-ID: <961125221503_638095044@emout16.mail.aol.com>

Is there demand for reproduction Oldham couplers? I think I can fabricate these fine items. E-mail KA9EGW@aol.com.

73
Brian

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: "Morton L. Denison" <mdenison@postoffice.ptd.net>
Subject: R-725 Info needed
Message-ID: <329966A9.4479@postoffice.ptd.net>

I'm on the list to get a R-725 (modified R390A). There's apparently an article in ER - April, 1996 edition.

Could I get someone to photocopy this article for me, or, post a summarized article to boatanchors.

I'd love to know exactly what I'm getting so I can partially defend its purchase to my wife.

Thanks

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "David M. Nance" <dmnance@roanoke.infi.net>
Subject: SB-301 Problem
Message-ID: <329934A2.165E@roanoke.infi.net>

Okay, it ain't exactly a boatanchor in the classic definition, but at least it does have tubes. In a weak moment yesterday I bought the Heathkit SB-301/401 pair at a club auction. They were in nice shape and the 301 has all three filters. This was my "dream station" when I first

got my ticket, but could never afford.

The 301 works great except that there is a problem with frequency instability when tuning a signal between about 3550 and 3625 (actually between 50 and 125 kc of each of the 500 kc band segments). Example: when tuning a CW signal the change in pitch is not a smooth transistion. Once I take my hand off the dial knob the pitch stays constant. I hope I'm describing this correctly. The LMO is still factory sealed but I am pretty sure that is where the problem lies since it occurs on all bands. It work fine on the rest of the band segments. I've checked for any kind of binding, etc. in the tuning assembly but everything seems to work fine.

Anyone out there ever experienced this or a similar problem? Also, has anyone ever written up anything regarding improvement modifications for these rigs?

David Nance
WB4SSE

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: Mike Sewell <75143.2737@CompuServe.COM>
Subject: RE: SB-301 Problem
Message-ID: <961126010751_75143.2737_IHV88-1@CompuServe.COM>

Sounds to me like dirty contacts between the wipers and the rotor of the tuning variable capacitor. DeOxit, exercise it, and your problems should be gone. No more warbles!!!

73,

Mike K 0 Collects Radios eXclusively

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "Gene S. Katz" <gkatz@motown.lmco.com>
Subject: Scott SLRM Marine Radio
Message-ID: <Chameleon.961125123831.gkatz@pc062164.motown.lmco.com>

Name: Gene Katz
E-mail: gkatz@motown.lmco.com
From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "August H. Johnson" <kg7bz@whitemtns.com>
Subject: SRT-14 On-Air!

Message-ID: <3298E68B.618A@whitemtns.com>

Hi all,

The SRT-14 that I've been reporting on these last couple months saw on-air service this weekend! All in all it seemed to work quite well. I used it on Saturday morning and Sunday afternoon on the AZ 3855 get-togethers. It didn't give any trouble, just sat there and the blowers whirred away. I got good audio reports, all I've done is increase the size of the coupling capacitors in the modulator to get rid of the very restricted "communications" quality audio that it had. The one list member I know I talked to was Lock W1NML.

The clipper design in this rig stinks, the clipping threshold moves around depending on how hard it's driven and the +- clipping symmetry also moves all over the place. The AGC circuit is even worse, with lots of pumping as soon as you hit its threshold. This weekend I was only using a tiny bit of clipping and had the AGC off. (Lock, that's probably why you reported my audio was a bit low. I had 100% negative modulation peaks on the scope.)

My voice has a very large peak/average ratio so some clipping would help to raise the average modulation level. I'll have to do some work on the clipper and AGC circuit to make it work better than it does.

I'll be using this transmitter on the air often now, maybe I'll talk to some more of the list members soon.

73,
August
--

August Johnson KG7BZ AMI 733 <http://www.whitemtns.com/~kg7bz>
P.O. Box 795
Pinetop, AZ 85935

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Conard Murray <conard@tnotech.campus.mci.net>
Subject: Re: surplus crystal question
Message-ID: <1.5.4.32.19961125184949.006a6e2c@tnotech.campus.mci.net>

>Maybe not. I recently took one such FT-241A holder apart - inside was a
>plated, wire-mounted crystal about 0.3 inch on a side. I seemed to me that
>it was either really fundamental on the 22 mc frequency or a third overtone
>unit at about 7 mc.
>

>Not likely in the hundreds of kc region.

Yep, it is down there in the LF region. I don't have the exact formula here, but those are all down in the 300-500 KHz region. I dunno how that tiny piece of quartz goes so low, but it does. The original use was in a FM tank radio (BC-603?) that multiplied the rock up to 22 MHz.

73 de Conard, ws4s

Conard Murray	WS4S	NNNOUTN	Glowbugs Listowner
217 Dyer Avenue			BA/GB net 1802.5/3579.5/7050 KHz
Cookeville, Tn	38501		conard@tntech.campus.mci.net
615-526-4093			Wise men still seek Him

- LICENSED ONLY TO EXTENT INDICATED ON CARTON -

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996

From: Conard Murray <conard@tntech.campus.mci.net>

Subject: Re: surplus crystal question

Message-ID: <1.5.4.32.19961125231743.0069a2a0@tntech.campus.mci.net>

Hi Roy,

Here is the scoop on the FT-241 rocks.

This is from the CQ Surplus Conversion Handbook Page 97. It looks like they lifted the print from somewhere else.

For units marked for channels 0 thru 79 (20-27.9 MHz):

$F_{\text{crystal}} = F_{\text{marked}}/54$

for example Channel 0 or 20 MHz is on 370.370 KHz

Channel 20 or 22 MHz is on 407.407 KHz

Channel 46 or 24.6 MHz is on 455.555 KHz

Channel 79 or 27.9 MHz is on 516.666 KHz

For units marked for channels 270 through 389 (27-38.9 MHz):

$F_{\text{crystal}} = F_{\text{marked}}/72$

for example Channel 27 is on 375 KHz

Channel 328 is on 455.555 KHz

Channel 389 is on 540.288 KHz

These were popular for building homebrew SSB/CW filters. I have used them as single xtal filters in simple HB receivers.

I hope this helps.

73 de Conard, ws4s

Conard Murray	WS4S	NNNOUTN	Glowbugs Listowner
217 Dyer Avenue			BA/GB net 1802.5/3579.5/7050 KHz
Cookeville, Tn	38501		conard@tntech.campus.mci.net
615-526-4093			Wise men still seek Him

- LICENSED ONLY TO EXTENT INDICATED ON CARTON -

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: "Watts Industries Canada Inc." <mannnc@idirect.com>
Subject: suspend
Message-ID: <01BBDB02.8FC090C0@thornet32.idirect.com>

suspend charles mann

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: SX-88
Message-ID: <UPMAIL03.199611260046210869@msn.com>

Gang, someone refresh my memory on why the SX-88 Halli is so desirable.
Few made, etc. Lokks pretty vanilla in Dachis's book.
Your Friend Al
fritsche@msn.com

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Dave Hutchison <djhutch@concentric.net>
Subject: SX-88 For Sale
Message-ID: <3299E846.4170@concentric.net>

Hello!

I have a hallicrafters SX-88 for sale. The unit is in very good cosmetic condition. Included are two bands (one and a spare!) for the tuning gears that need to be mounted.

I aquired this unit a few months ago and have not had the chance to fire it up. The unit seems to be complete with all electrical components, dials, knobs etc... The reason I am selling is that I am just not going to have enough time to work with this wonderful receiver and I wanted someone here to have the opportunity. Anyone who makes me an offer is bound by the promise not to part out this receiver.

The price is \$1300 plus packing and shipping costs to your QTH.

First one to reply via e mail with an order gets the receiver. If for some reason the first person does not come through with a check I will go down the list of those who respond in chronogical order.

Please feel free to ask any questions you may have...

73's

Dave Hutchison KW9U

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "James F. Wood" <WOODJ@mail.firn.edu>
Subject: Re: TEK Manual
Message-ID: <C861ZWOZI1U1V*/R=FIRNVX/R=A1/U=WOODJ/@MHS>

g

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
Subject: Teletype Paper for Postage
Message-ID: <Pine.A32.3.91.961125162048.26023B-100000@ppdu.nrl.navy.mil>

Gang,

I rescued a roll of MIL-B-3959 TType I, II, and III teletype paper from the trash can. I is made by Rap-in-Wax Company, Nov. 1960. The roll is sealed and clean. It is available to whomever is willing to pay for packaging and postage.

Paul Bernhardt, KF4FOR

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
Subject: Teletype paper is Gone
Message-ID: <Pine.A32.3.91.961125181035.22301E-100000@ppdu.nrl.navy.mil>

Gang,

The free roll of teletype paper (TP?) has been awarded to Gary Pewitt for being the first to answer the call. Thanks for all the responses.

Paul Bernhardt, KF4FOR

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "Jim Berry" <basalop@eskimo.com>
Subject: Re: The BC-375 / BC-191: Some Tips
Message-ID: <199611250305.TAA21748@mail.eskimo.com>

> Subject: The BC-375 / BC-191: Some Tips

Hi Dave,

I went and club fingered my move to save your other comment on the BC-375. Can you send me another copy of it. I am really interested in saving every bit of info I can collect on the rig.

I have have a 375 up and running with what I consider a pretty darn nice power supply. The rig is still pretty wild sounding though. I will go over the neutralization again, add more mfd's to the power supply and double check my tuning procedure. I have pumped it into both a typical 50 ohm load, light bulb and end fed wire but it is still really too "distinctive" sounding. I really want to use this rig as much or more then my ART-13. The rig I have has probably never been used in actual service. All my tuning units are matching serial number with the transmitter. After all these years there could be a problem with the keying being out of adjustment but I am going to assume it is fine. Anyhow, no one has gotten into the rig and dorked around with it. When I did check the neutralization I found it had changed alot. Not sure my resetting did anything that I could notice in the quality of the keying.

Anyhow, if you can resend me the article I went and deleted I would be very grateful. I will be watching for any other information about the BC-375.

Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)
Email: basalop@eskimo.com FAX: 360-659-1360
Ham Digital: K7SLI @ K7SLI.#NWWA.WA.USA.NA
Snail Mail: 5318 142nd PL NE Marysville, Wa 98271

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: The S-51 Lives!
Message-ID: <19961125.214742.4407.3.k7yha@juno.com>

Gang:

FINALLY we got the IF strip to start playing properly this afternoon. One

of the NEW 6SS7s we bought turned out to be BAD! This brings up a good point to remember: just because you buy a NEW tube doesn't necessarily mean it is a GOOD tube!

After replacing the bad 6SS7 and resoldering one .25 cap, we tried the set again and it played! From there it was on to the test bench for an alignment. The IF alignment went smoothly. We noted that in the instructions it said to set the RF generator to 445 kc NOT 455 kc! Surprise, surprise!

All bands aligned well with overall sensitivity down to about -100dBm. Not great, but better than when we started. The only long pole in the tent was the top end of the 4 - 12 mc band where sensitivity was about -66dBm. Definately room for improvement.

In all, it was a good restoration project. Final paper/electrolytic cap count was 30 caps replaced! The cabinet top is a bit below par, but I do not want to respray it as it would detract from the overall appearance of the old receiver.

Tomorrow we should be thru with the final alignment and get the case back on. BTW: this receiver is a real dog to align owing to the way you have to suspend the chassis and still get at the adjustment screws on the trimmers and coils. Not a fun time.

73 rich K7YHA

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: mknudsen@lucent.com
Subject: Re: TTY 35 reperf
Message-ID: <9611251857.AA12066@bock.ih.lucent.com>

Well, I had one of those once, and it worked great.
You are right, the print head is of a TTY 33,
but the entire mechanism is of the Model 35 (and 28)
family, which is far superior in quality and reliability.

Don't think I ever had a manual, but I can look.
73, mike k aa9rg

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: John Rocco <jroccaro@chesco.com>
Subject: tube microphonics
Message-ID: <Pine.BSI.3.91.961125124200.672A-100000@carriage.chesco.com>

My Hammarlund HQ-110A has a problem when switched to CW/SSB mode.

Works fine in AM mode. Microphonics are loudest when V6 6AZ8 BFO/IF Amp is tapped. My first step was to replace the tube. When this failed to fix it I checked the voltages and resistances per the manual. All good. I tried tapping the passive components in the BFO circuit but the tube is most sensitive part. I consulted Terman's RADIO ENGINEERING pg 228. He says multiple tubes of the same type should be tried and if this fails special non-microphonic tubes designed to provide a very rigid structure should be used. Now I figure it's possible that both tubes are bad, but this whole thing strikes me as a little weird. I have a hard time believing that several tubes of the same type need to be tried. I can believe that there is a special non-microphonic type but the service manual says nothing beyond use a 6AZ8 for V6. Anybody know anything about this kind of a problem? I figure my next step is to order a coupla more 6AZ8's and try 'em out.

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: Tom Norris <badger@telalink.net>
Subject: Tube Rectifiers for R390A
Message-ID: <3.0.1.32.19961124231534.0068d500@telalink.net>

Well, in the past, I have ignored most of the discussions on the R390A. NOW I have found one thrust upon my over the weekend. Is in excellent condition, and will go back through the BA digests and look for specifics, BUT need to know the tube# on the rectifiers, so I can go by a local BA place tomorrow so's I can get it up to testing condition.

The story on the how I ended up with this beastie, and the tale of my car being eaten by a tractor trailer at a later date....

Thanks
Tom KA4RKT

badger@telalink.net

Every morning is the dawn of a new error.

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: Don Reaves <dr@cei.net>
Subject: Re: Tube Rectifiers for R390A
Message-ID: <Pine.LNX.3.91.961125024513.15030A-100000@kc5jh.reaves.net>

> the R390A. NOW I have found one thrust upon my over the weekend.

> Is in excellent condition, and will go back through the BA digests and
> look for specifics, BUT need to know the tube# on the rectifiers, so

You will need two 26Z5W toobs. Digging through my boxes of tubes, it's
apparent I don't have any spares for my R390A. Who has these for sale at
reasonable prices?

>
> The story on the how I ended up with this beastie, and the tale
> of my car being eaten by a tractor trailer at a later date....
>

Well, yes, we are waiting to hear about these... :-)

Don Reaves WA5BBS dr@cei.net

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: wb7vbn@ro.com (R. Lamb)
Subject: Re: Tube Rectifiers for R390A
Message-ID: <199611251747.LAA25356@sh1.ro.com>

>
>> the R390A. NOW I have found one thrust upon my over the weekend.
>> Is in excellent condition, and will go back through the BA digests and
>> look for specifics, BUT need to know the tube# on the rectifiers, so
>
>You will need two 26Z5W toobs. Digging through my boxes of tubes, it's
>apparent I don't have any spares for my R390A. Who has these for sale at
>reasonable prices?
>
>>
>> The story on the how I ended up with this beastie, and the tale
>> of my car being eaten by a tractor trailer at a later date....
>>
>
>Well, yes, we are waiting to hear about these... :-)
>
>
>
>Don Reaves WA5BBS dr@cei.net
>
>

Try

<http://www.mindspring.com/~gies/res.html>

They have quite a lot of tubs fer sale at reasonable prices.

I hope this helps.

Ron Lamb		Timothy Twerp was most astounded.
WB7VDN		When what he thought was, wasn't grounded.
wb7vdn@ro.com		In fact, one could say he was most transfixed.
Huntsville, AL.		With his thumb on pin 3 of a live 6L6!

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: k9gdt@juno.com (George P Sieverson)
Subject: Utica 650-A
Message-ID: <19961124.192936.4510.0.K9GDT@juno.com>

Greetings bulbophiles,

There's growing interest here in northeastern Illinois for generating 6m AM activity. Against my better judgement (I'm in a fringe area for TV CH2).....and at the urging of some people on and off this list (and YOU know who YOU are!), I dusted off my old Utica 650-A 6m AM/CW transceiver. That glistening chrome brought back memories of high school, first dates, TVI, etc.

A bench test of the receiver showed AVC action with a 0.1uV signal from my Wavetek 2001 generator. Not bad for a unit which hasn't been used in 25 years. Also, the dial calibration was right on, no big deal considering the rig's 500KC dial divisions.

The transmitter section (2E26 PA) put out over 10 watts to a dummy load. At this point, I decided to scrounge up my old Turner 350 hand mike to see if I could get some modulation. The excitement was starting to build by now. Imagine the disappointment when the receiver went dead while I was searching through the junk box.

The AF output/modulator tube developed an open heater. The tube is a 7868. Yikes! =8-0 Does anyone have one they could part with?.... Or can anyone recommend a commonly available substitute?

Now the \$1x10^6 question: Does anyone have a manual for the Utica 650-A

they could copy for me?

Will gladly reimburse for the above items.

Thanks,
George

George Sieverson
Barrington, IL
K9GDT@JUNO.COM

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: Norman Hammar <norm@cqg.com>
Subject: VFO adapter needed
Message-ID: <9611251419.AA19775@mail>

I need an adapter that fits into an FT-243 style crystal socket that fits a
VF-1 VFO for my Heathkit HX-11 transmitter. Please email: norm@cqg.com

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: Larry Keith <KQ4BY@IX.NETCOM.COM>
Subject: Re: What Every Shack Should Have !
Message-ID: <3298F526.5DCC@IX.NETCOM.COM>

Lawrence R. Ware wrote:

>

> >Richard Brisson wrote:

>

> >> > Hewlett-Packard Model 5061A Cesium Beam Primary Time and Frequency
> >> > Reference Standard.

> <snip>

> >> > Excellent Condition. \$11,850 + S&H

>

> When it gets down to the going "street" price of \$1200 it might. <g>

But, it will never replace my Timing Devices 24 hour analog clock with
the rotating disc that shows me the time in all the time zones.. circa
1949 and it cost me at least \$2.00 at a Dayton Hamvention of long, long
ago.

Darn! WWV says I am two seconds fast! No wonder I missed that last
sked!

8-)

73,

Larry, KQ4BY

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: What is it?
Message-ID: <961125093025_75121.100_IHV36-1@CompuServe.COM>

Hi gang!

I have a few of these Western Electric tubes but don't know what they are or what they are used in. They are the WE 269A, 4-pin base. Box dated 1944 so they definitely are for Mil equipment. Anyone ever heard of them or need them in their BA?

Also have a few Eye tubes, 1 ea 6U5 and a handful of the 6AF6G eye tubes. I've heard of the 6U5, but not the 6AF6G type. Anyone need these? I'll rate them in the \$6.00 range plus shipping.

Regards from Hawaii,
Raymond J. Cote

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: k9gdt@juno.com (George P Sieverson)
Subject: What's better than a BA/GB net?
Message-ID: <19961125.210700.10230.5.K9GDT@juno.com>

Q: What's better than a BA/GB net?

A: TWO BA/GB nets, of course!

That's what happened this evening. After checking in with VA3LK and W5TVW on the 3579 BA/GB net, I tuned down 2KHz, ooops I mean 2KC, where I heard a second BA/GB net in progress. WA1ABI, W3KC, and K5HZ were conducting another BA net. I had to jump in and say hi there, too. Everyone on both nets was Q5.

Does this mean that 3575 through 3580 can now be considered the "BA window" for 80 meters? ;-)

73, George

George Sieverson

Barrington, IL
K9GDT@JUNO.COM

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: scotgray <scotgray@cwnet.com>
Subject: When Pigs Fly.....
Message-ID: <32991310.22DB@cwnet.com>

Heath DX-60 and HG-10 VFO w/stuck dial cord. On the shelf as a
consignment sale.... Priced at only \$249.00 American cash.
Located at "The Radio Place", Sacramento, CA.

Still looking for a pair of SP600 Tuning Knobs
Scott KD6CQ
scotgray@cwnet.com

From boatanchors@theporch.com Mon Nov 25 22:34:15 1996
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>
Subject: Re: Why SX-88 is so desirable
Message-ID: <961126033509_102452.362_DHT76-1@CompuServe.COM>

Hey Al and List members,

Actually it is not as good a receiver as the 75A4 but better than a lot of the
others. For a receiver made in the early 50's though it is not bad. The audio is
superb with the pair of 6V6's in push-pull. While it does not have a product
detector it does have an exalted BFO and will receive SSB very well. The 10 kc.
bandwidth is nice when you have a strong AM station and the band is clear. I use
mine on 75 meters quite a bit but when the going gets tough I have an SX-115 on
top of the 88 and it gets switched into the antenna line.

It is a big, heavy boatanchor. I think the styling is pretty good. It is much
better looking than some of its contemporaries. The most desirable thing about
the SX-88 to me is that I own one and bought it when they were not so highly
sought after. I also have the HT-20 matching transmitter and the pair is
gorgeous. If you would like to see one in color check out my web page. Probably
one of the few SX-88, HT-20 stations anywhere.

Bet it is the only receiver of its period that will bring \$1500 to \$2000. That
alone makes it a nice receiver to have on hand. Kind of like an inflation
fighter receiver. Wish I had a truckload of them.

A meaningful Thanksgiving to all,

~~~~~

Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
102452.362@compuserve.com  
wa4kcy@usa.net wa4kcy@juno.com  
Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><

~~~~~

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: J P Taillebois <jpt1@idirect.com>
Subject: Wish list
Message-ID: <199611252205.RAA26396@nemesis.idirect.com>

>Date: Mon, 25 Nov 1996 08:15:54
>To: hallicrafter net
>From: J P Taillebois <jpt1@idirect.com>
>Subject: Wish list
>
>Yes it's me again.
>My HT-44 and SX-117 are working great. Put a new set of finals in the txmtr
and over 100Watts out...The rcvr just needed a couple of tubes, a fast tune
up and we now can hear the world. I have a HA-8 that needs a manual. I am
also looking for the HA-10 LF adaptor and the R-48A speaker to complete
the set up.
>
>I purchase a sx-101 rcvr at Dayton last summer and in my excitement i got
the manual for the SX-101-a I would really like the 101 if anybody has one.
>
>73 de Jean Paul
>
Jean Paul Taillebois 996 Greenlane court, Oshawa, Ontario,Canada M1K-2C6
e.mail jpt1@idirect.com
packet: ve3jpt@va3bbs
voice:905-723-1811
fax/data:905 723-9156
Collector: Hallicrafters,Central-Electronic,Gonset, Military BA, antique
radio memorabilia.

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Eugene Rippen <soundval@foothill.net>

Subject: Re: wonderful demo
Message-ID: <3299F1BB.748C@foothill.net>

Emerald wrote:

>
> Are you interested in sending bulk e-mails?
> I know of a great new program!
> You can even test out the demo for FREE!
> Send me an e-mail for more details.
>
> Emerald@earthstar.com

Hi

I would be more interested in a program that would totally destroy the program of which you speak, or at least one that would protect ME from it.

Gene
Eugene Rippen, 105 Donnington, Auburn, CA 95603.

From boatanchors@theporch.com Mon Nov 25 18:28:30 1996
From: Dave Horsfall <dave@fgh.oz.au>
Subject: Re: wonderful demo
Message-ID: <Pine.SOL.3.95.961126103123.1172E-100000@fgh.fgh.oz.au>

On Mon, 25 Nov 1996, Eugene Rippen wrote:

[spam deleted]

> > Emerald@earthstar.com
>
> I would be more interested in a program that would totally destroy the
> program of which you speak, or at least one that would protect ME from
> it.

Just put "earthstar.com" into your e-mail filters; nothing good comes out of that spammer site.

I'd be more interested to know how they posted to the list in the first place (my filter must have canned the original) - Jack?

--

Dave Horsfall VK2KFU dave@fgh.oz.au Ph: +61 2 9957-4224 Fx: +61 2 9922-5286
FGH Decision Support Systems P/L, 77 Pacific Hwy, Nth. Sydney, 2060, Australia

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: "L. Booth" <lbooth@comm.net>
Subject: WTB: National NC303
Message-ID: <3298E86E.1117@comm.net>

I am rebuilding my novice station (1965-66 WN5ORM) and am looking for an NC303. If it needs some work, fine. I rather liked working on the one I had. Should have kept it! The thing is heavy, but will pay freight/packing or pick up within 100 to 200 miles. I am near New Orleans.

Lionel N5LB

From boatanchors@theporch.com Mon Nov 25 11:44:24 1996
From: jproc@bellglobal.com
Subject: Your BA Gear
Message-ID: <Chameleon.4.01.2.961124232950.jproc@jproc.bellglobal.com>

Dick,

Those are great pics of your BA gear on John Brewer's home page! We should also be posting pics of ourselves so viewers can see who actually owns all this fine gear. That would certainly add a human interest angle to the effort. Some folks may be shy, but what the heck...I think I will send a photo of myself in Haida's main radio office. Maybe this will set an example.

Jerry Proc VE3FAB
E-mail: jproc@bellglobal.com
Radio Restoration Volunteer
HMCS Haida Naval Museum
Toronto, Ontario
